



PATENT  
Attorney Docket No. 98-027  
Express Mail Label No. EL247018662US

**COMBINED DECLARATION AND POWER  
OF ATTORNEY FOR PATENT APPLICATION**

As one of the below-named inventors, I hereby declare that:

My residence, post office address and citizenship is as stated below next to my name.

I believe I am the first, original and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled ON-CHIP GRADED INDEX OF REFRACTION OPTICAL WAVEGUIDE AND DAMASCENE METHOD OF FABRICATING THE SAME, the specification of which is filed concurrently herewith, and which is assigned Attorney Docket No. 98-027 by my below-named attorneys.

The persons named as inventors are: Verne C. Hornbeck and Derryl D. J. Allman.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

No priority claim is made under 35 U.S.C. § 119 or 35 U.S.C. § 120.

Power of Attorney: As the named inventors, we hereby appoint Wayne P. Bailey, Registration No. 34,289, David G. Pursel, Registration No. 28,659, Ralph Veseli, Registration No. 33,807, David K. Lucente, Registration No. 36,202, Bruce Hopenfeld, Registration No. 39,714, Sandeep Jaggi, Registration No. 43,331, John R. Ley, Registration No. 27,453, and Timothy B. Scull, Registration No. 42,137, to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Send all correspondence to:

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first joint inventor: Verne C. Hornbeck

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Date: 12/18/98 Citizenship: United States of America

Full name of second joint inventor: Darryl D. J. Allman

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Inventor's Signature Darryl D. J. Allman

Date: 12/21/98 Citizenship: United States of America



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of )  
Verne C. Hornback and )  
Derryl D.J. Allman ) Group Art Unit: 2877  
Serial No. 09/217,183 ) Confirmation No.: 8652  
Filed: December 21, 1998 ) Examiner: L. G. Lauchman  
For: On-Chip Graded Index of Refraction )  
Optical Waveguide and Damascene )  
Method of Fabricating the Same )

DECLARATION OF INVENTOR

I, Verne C. Hornback, do hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon:

1. That I am one of the inventors in the patent application Serial No. 09/217,183.

2. That the correct spelling of my last name is AHornback@.

4/22/03  
Date

Verne C. Hornback  
Verne C. Hornback